

Timed Test: Binomial Expansion, Quiz # 1401

Student Number: _____

You have 10 minutes to complete the following problems. All answers are to be simplified, with the powers written in decreasing order: eg. $x^2 + x + 1$ not $1 + x + x^2$

$(4x + 6)(2x + 4) =$	$(3x - 3)(3x + 4) =$
$(4x + 3)(5x - 8) =$	$(3x - 2)(3x - 4) =$
$(6x + 3)(6x + 3) =$	$(3x + 1)(2x - 4) =$
$(3x - 7)(2x + 7) =$	$(2x - 2)(3x - 4) =$
$(3x + 5)(2x - 4) =$	$(5x - 5)(5x - 6) =$
$(4x - 5)(6x + 2) =$	$(2x + 5)(6x + 2) =$
$(2x + 7)(3x - 5) =$	$(2x + 7)(5x + 5) =$
$(6x + 8)(5x + 3) =$	$(6x - 2)(2x + 7) =$
$(6x + 8)(3x + 6) =$	$(4x - 7)(2x - 2) =$
$(4x + 1)(2x - 3) =$	$(2x - 2)(5x + 7) =$

Timed Test: Binomial Expansion, Quiz # 4101

Student Number: _____

You have 10 minutes to complete the following problems. All answers are to be simplified, with the powers written in decreasing order: eg. $x^2 + x + 1$ not $1 + x + x^2$

$(3x + 3)(3x + 5) =$	$(2x + 3)(4x - 7) =$
$(4x - 1)(3x + 4) =$	$(6x + 5)(5x - 5) =$
$(5x - 7)(2x - 2) =$	$(3x + 5)(2x - 1) =$
$(3x - 2)(3x + 7) =$	$(2x + 7)(4x + 8) =$
$(5x + 1)(2x - 8) =$	$(4x + 5)(3x - 2) =$
$(2x + 5)(2x + 5) =$	$(4x - 6)(6x - 1) =$
$(3x - 6)(3x + 6) =$	$(5x + 2)(5x - 7) =$
$(2x - 5)(6x - 7) =$	$(5x + 5)(5x - 3) =$
$(6x - 8)(2x + 2) =$	$(3x + 6)(2x + 3) =$
$(5x + 1)(2x - 4) =$	$(6x + 1)(5x - 6) =$

Timed Test: Binomial Expansion, Quiz # 1041

Student Number: _____

You have 10 minutes to complete the following problems. All answers are to be simplified, with the powers written in decreasing order: eg. $x^2 + x + 1$ not $1 + x + x^2$

$(4x + 3)(6x + 8) =$	$(4x + 4)(3x - 3) =$
$(3x - 1)(5x + 8) =$	$(4x + 4)(3x - 7) =$
$(6x - 2)(6x - 4) =$	$(2x + 6)(2x - 8) =$
$(6x - 8)(6x + 8) =$	$(6x + 7)(6x + 3) =$
$(3x + 5)(6x - 5) =$	$(6x + 3)(5x - 8) =$
$(6x + 1)(4x + 5) =$	$(5x - 1)(4x - 3) =$
$(5x - 8)(6x + 5) =$	$(4x + 5)(2x - 8) =$
$(4x - 4)(4x - 4) =$	$(2x + 1)(6x - 6) =$
$(4x - 3)(2x + 2) =$	$(3x + 2)(5x + 2) =$
$(5x + 1)(4x - 4) =$	$(4x + 3)(4x - 7) =$

Timed Test: Binomial Expansion, Quiz # 1104

Student Number: _____

You have 10 minutes to complete the following problems. All answers are to be simplified, with the powers written in decreasing order: eg. $x^2 + x + 1$ not $1 + x + x^2$

$(5x + 5)(6x + 3) =$	$(3x + 3)(5x - 4) =$
$(3x - 2)(6x + 4) =$	$(5x + 5)(2x - 1) =$
$(6x - 1)(4x - 8) =$	$(6x + 2)(4x - 2) =$
$(4x - 6)(6x + 7) =$	$(2x + 2)(4x + 5) =$
$(6x + 6)(4x - 6) =$	$(4x + 2)(6x - 6) =$
$(6x + 2)(4x + 7) =$	$(3x - 1)(2x - 1) =$
$(6x - 1)(3x + 7) =$	$(2x + 8)(3x - 4) =$
$(2x - 5)(5x - 6) =$	$(2x + 4)(3x - 5) =$
$(3x - 8)(3x + 2) =$	$(2x + 2)(3x + 8) =$
$(3x + 5)(3x - 7) =$	$(4x + 2)(2x - 8) =$

Timed Test: Binomial Expansion, Quiz # 4011

Student Number: _____

You have 10 minutes to complete the following problems. All answers are to be simplified, with the powers written in decreasing order: eg. $x^2 + x + 1$ not $1 + x + x^2$

$(2x + 3)(4x + 3) =$	$(5x + 6)(5x - 3) =$
$(4x - 8)(4x + 2) =$	$(6x + 1)(6x - 5) =$
$(2x - 3)(2x - 7) =$	$(5x + 8)(6x - 4) =$
$(4x - 5)(3x + 7) =$	$(2x + 5)(6x + 5) =$
$(3x + 7)(5x - 6) =$	$(3x + 7)(6x - 4) =$
$(6x + 1)(5x + 4) =$	$(2x - 2)(3x - 5) =$
$(4x - 8)(3x + 3) =$	$(6x + 1)(3x - 5) =$
$(4x - 5)(5x - 2) =$	$(6x + 4)(2x - 1) =$
$(3x - 5)(6x + 8) =$	$(2x + 3)(4x + 6) =$
$(5x + 5)(4x - 6) =$	$(2x + 6)(5x - 2) =$

Timed Test: Binomial Expansion, Quiz # 1140

Student Number: _____

You have 10 minutes to complete the following problems. All answers are to be simplified, with the powers written in decreasing order: eg. $x^2 + x + 1$ not $1 + x + x^2$

$(3x + 4)(3x + 5) =$	$(6x + 2)(2x - 2) =$
$(3x - 8)(6x + 3) =$	$(3x + 4)(2x - 5) =$
$(3x - 2)(5x - 6) =$	$(2x + 6)(4x - 7) =$
$(4x - 8)(5x + 8) =$	$(2x + 7)(2x + 2) =$
$(3x + 4)(4x - 4) =$	$(2x + 4)(3x - 7) =$
$(5x + 3)(3x + 6) =$	$(2x - 4)(4x - 7) =$
$(5x - 7)(4x + 5) =$	$(4x + 5)(4x - 3) =$
$(5x - 3)(2x - 3) =$	$(4x + 2)(2x - 6) =$
$(4x - 3)(6x + 8) =$	$(2x + 2)(2x + 3) =$
$(3x + 8)(6x - 5) =$	$(6x + 5)(6x - 8) =$

Timed Test: Binomial Expansion, Quiz # 4110

Student Number: _____

You have 10 minutes to complete the following problems. All answers are to be simplified, with the powers written in decreasing order: eg. $x^2 + x + 1$ not $1 + x + x^2$

$(6x + 3)(4x + 5) =$	$(3x + 6)(3x - 6) =$
$(3x - 4)(2x + 2) =$	$(5x + 6)(2x - 4) =$
$(4x - 2)(4x - 6) =$	$(2x + 2)(3x - 7) =$
$(4x - 3)(6x + 4) =$	$(2x + 6)(3x + 6) =$
$(2x + 1)(5x - 7) =$	$(3x + 6)(3x - 5) =$
$(3x + 1)(3x + 7) =$	$(6x - 4)(5x - 8) =$
$(2x - 3)(3x + 1) =$	$(4x + 3)(3x - 8) =$
$(5x - 1)(3x - 1) =$	$(4x + 7)(3x - 5) =$
$(4x - 6)(6x + 3) =$	$(3x + 1)(3x + 6) =$
$(2x + 3)(2x - 8) =$	$(5x + 5)(2x - 7) =$